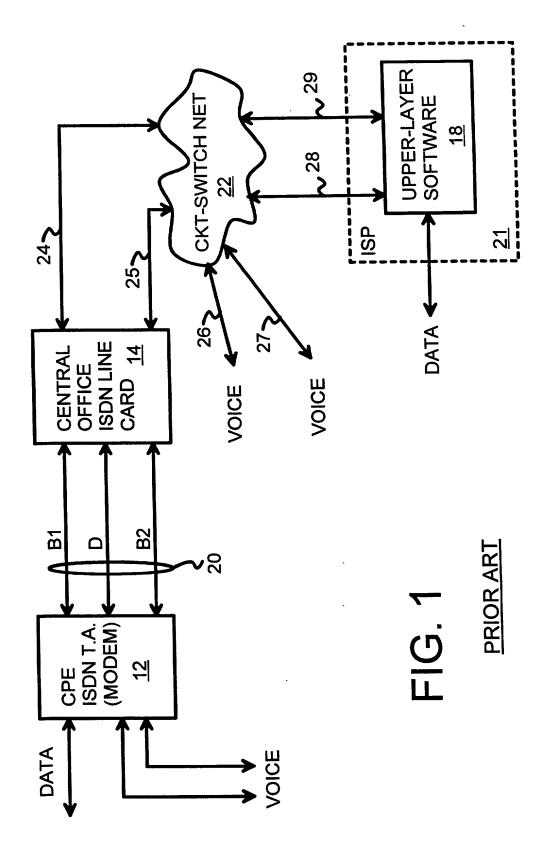
EXPRESS MAIL No. EL734639746US

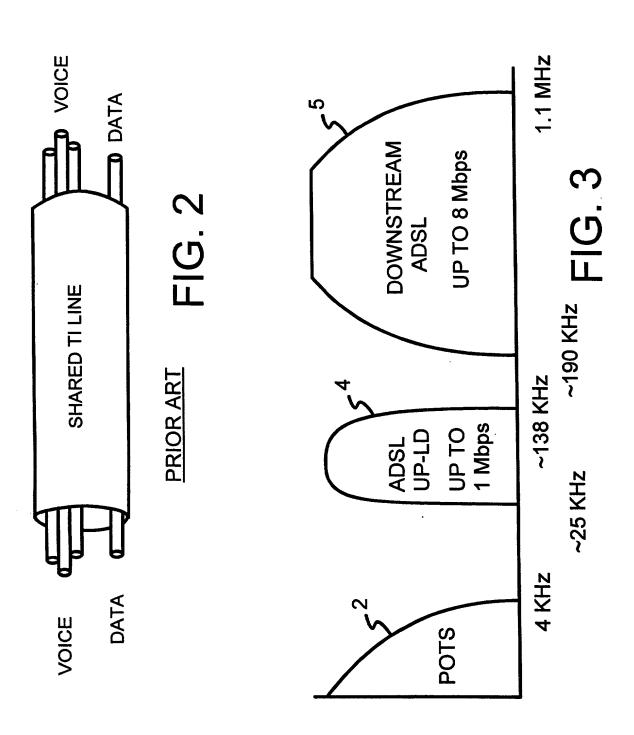
Title: DYNAMICALLY-ASSIGNED VOICE AND DATA CHANNELS IN A DIGITAL-

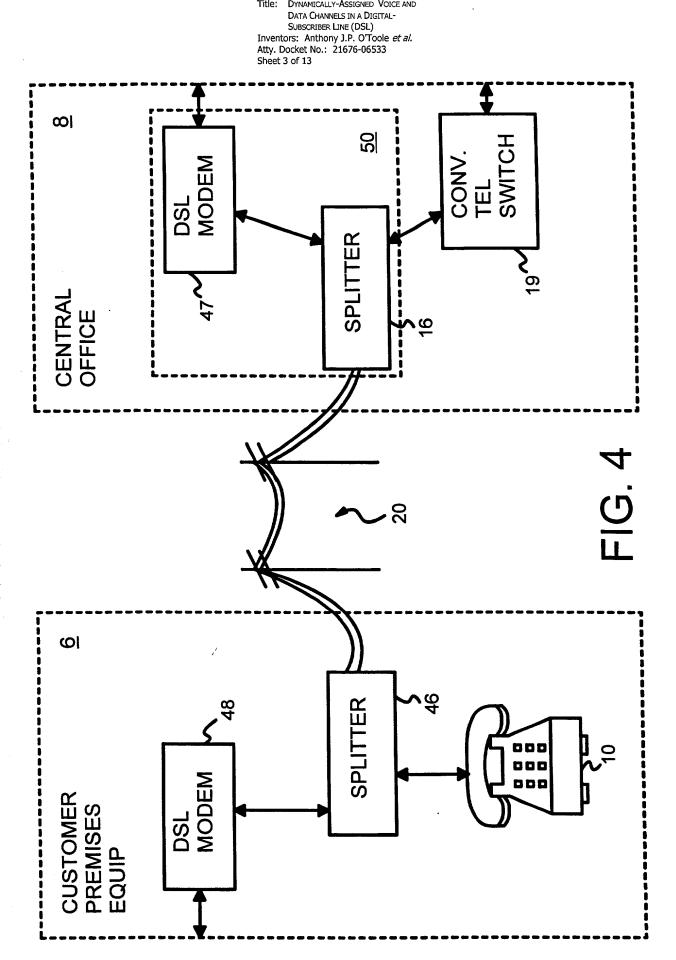
SUBSCRIBER LINE (DSL)
Inventors: Anthony J.P. O'Toole *et al.*Atty. Docket No.: 21676-06533

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EXPRESS MAIL No. EL734639746US Title: DYNAMICALLY-ASSIGNED VOICE AND DATA CHANNELS IN A DIGITAL-SUBSCRIBER LINE (DSL) Inventors: Anthony J.P. O'Toole *et al.* Atty. Docket No.: 21676-06533 Sheet 2 of 13



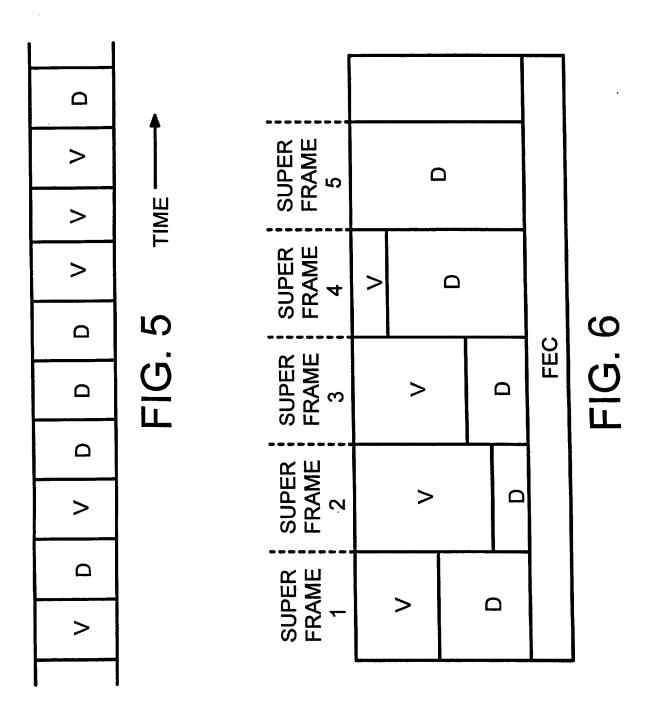


EXPRESS MAIL No. EL734639746US
Title: Dynamically-Assigned Voice and

EXPRESS MAIL NO. EL734639746US
Title: Dynamically-Assigned Voice and
Data Channels in a Digital-

SUBSCRIBER LINE (DSL)
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EXPRESS MAIL No. EL734639746US
Title: DYNAMICALLY-ASSIGNED VOICE AND
DATA CHANNELS IN A DIGITALSUBSCRIBER LINE (DSL)
Inventors: Anthony J.P. O'Toole *et al.*Atty. Docket No.: 21676-06533
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	FIG. 7			E E	
	LL_ 		N+2	1 0 0	DS0
SUPER FRAME N+3	CURRENT FORMAT: DATA=10 VOICE=6	NEXT FORMAT: DATA=10 VOICE=6		0 0 0 0	рата
SUPER FRAME N+2	CURRENT FORMAT: DATA=11 VOICE=5	NEXT FORMAT: DATA=10 VOICE=6	N+N	0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1	DATA
SUPER FRAME N+1	CURRENT FORMAT: DATA=12 VOICE=4	NEXT FORMAT: DATA=11 VOICE=5	 z	0 0 0 0	DATA
SUPER FRAME N	CURRENT FORMAT: DATA=12 VOICE=4	NEXT FORMAT: DATA=12 VOICE=4	SUPERFRAME	TIME-SLOT BITS	SWITCHABLE CHANNEL

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DATA CHANNELS IN A DIGITAL-SUBSCRIBER LINE (DSL) Inventors: Anthony J.P. O'Toole *et al.* Atty. Docket No.: 21676-06533 Sheet 6 of 13

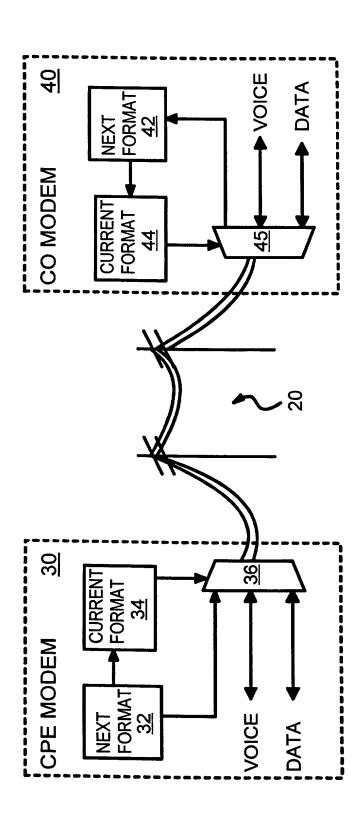
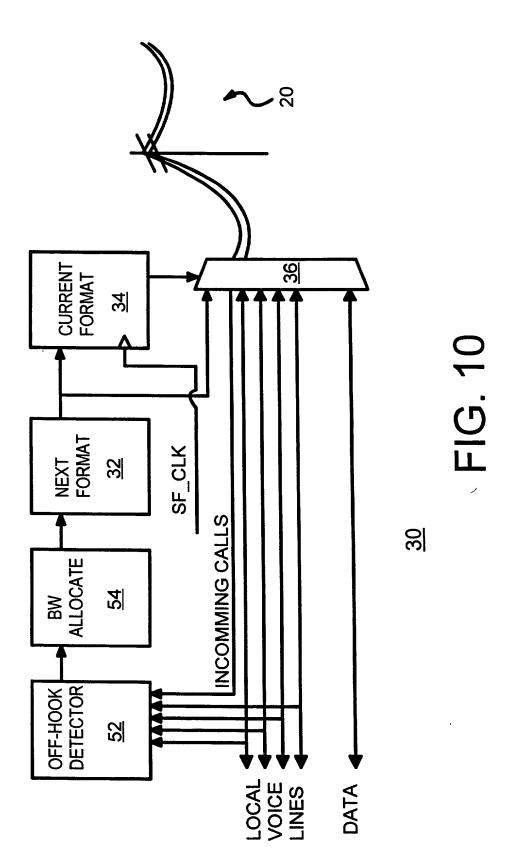


FIG. 9

EXPRESS MAIL No. EL734639746US Title: DYNAMICALLY-ASSIGNED VOICE AND DATA CHANNELS IN A DIGITAL-

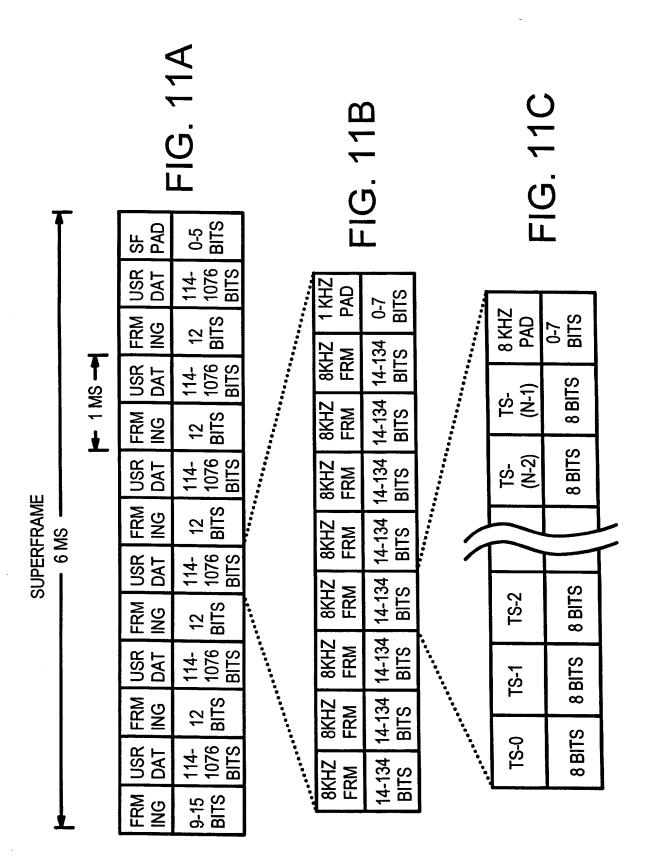
SUBSCRIBER LINE (DSL)
Inventors: Anthony J.P. O'Toole *et al.*Atty. Docket No.: 21676-06533
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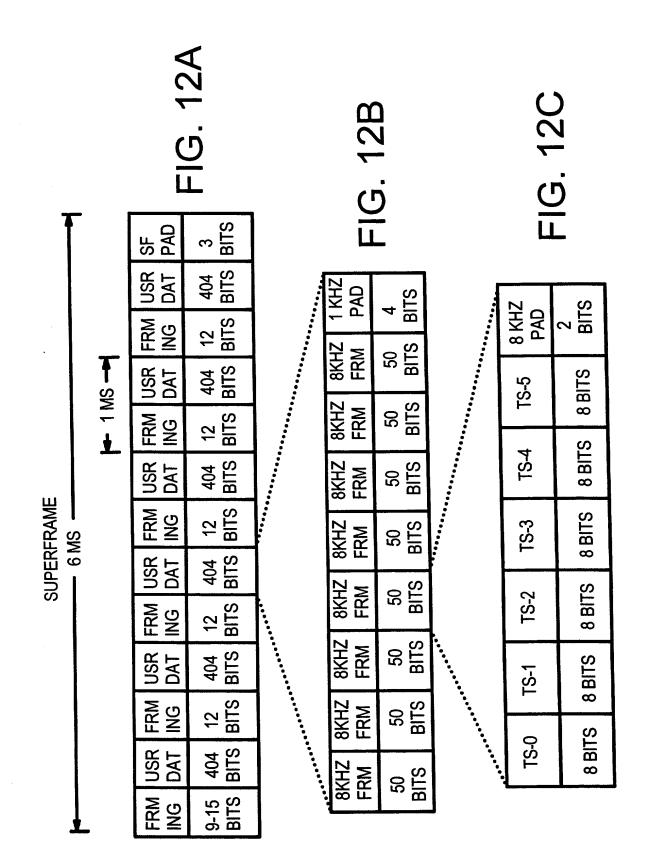
EXPRESS MAIL No. EL734639746US
Title: DYNAMICALLY-ASSIGNED VOICE AND
DATA CHANNELS IN A DIGITALSUBSCRIBER LINE (DSL)

Inventors: Anthony J.P. O'Toole *et al.* Atty. Docket No.: 21676-06533

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DATA CHANNELS IN A DIGITALSUBSCRIBER LINE (DSL)
Inventors: Anthony J.P. O'Toole *et al.*Atty. Docket No.: 21676-06533
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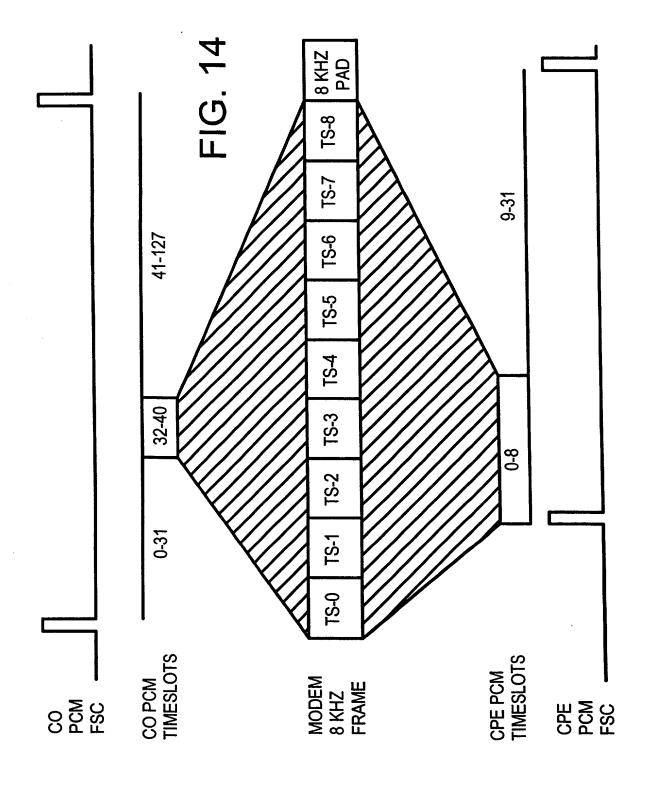
EXPRESS MAIL No. EL734639746US
Title: DYNAMICALLY-ASSIGNED VOICE AND
DATA CHANNELS IN A DIGITALSUBSCRIBER LINE (DSL)
Inventors: Anthony J.P. O'Toole *et al.*Atty. Docket No.: 21676-06533
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				.1	-	
7	<del>-</del>	SF PAD	0-5 BITS	, et et et e	CRC	6 BITS
		USR S DAT P	114- ( 1076 B BITS	.exe.exe.exe.	RM	STATUS 5 BITS
		FRM ING	12 BITS		ALA &	STA 5 5 III
	<b>∓</b> 1 MS <b>±</b>	USR DAT	114- 1076 BITS		EOC	14 BITS
	=	FRM ING	12 BITS			
		USR DAT	114- 1076 BITS	******	# STUFF	BITS 3 BITS
SUPERFRAME ——	2	FRM	12 BITS		RS SYNC	1 BIT
SUPER	5	USR DAT	114- 1076 BITS			
		FRM ING	12 Bits		FORM	32 BITS
		USR DAT	114- 1076 BITS		FRAME FORMAT	
		FRM ING	12 BITS		1	S
		USR DAT	114- 1076 BITS	. * * * * * * *	SYNC	8 BITS
	_	FRM	9-15 BITS	**********	STUFF BITS	0-6 BITS

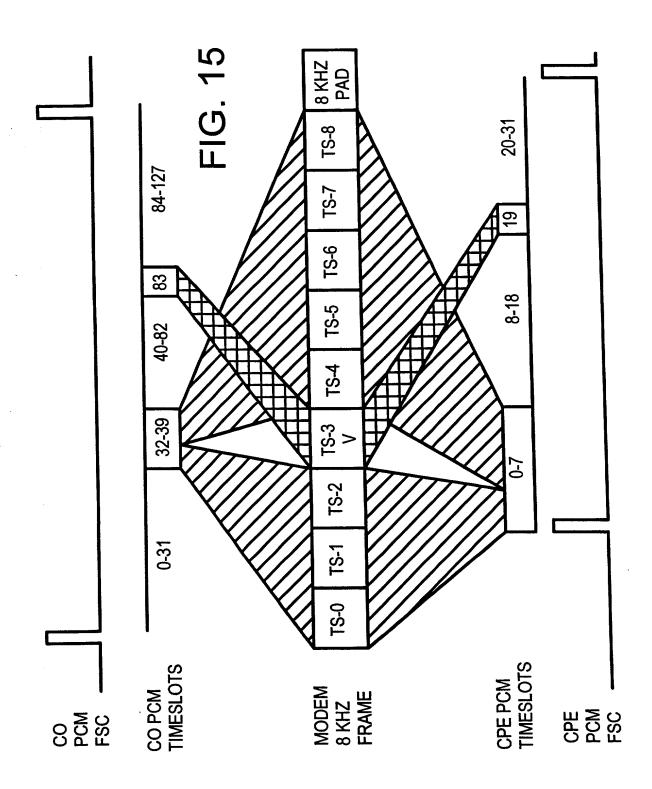
FIG. 13

EXPRESS MAIL No. EL734639746US

Title: DYNAMICALLY-ASSIGNED VOICE AND DATA CHANNELS IN A DIGITAL-SUBSCRIBER LINE (DSL)
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DATA CHANNELS IN A DIGITALSUBSCRIBER LINE (DSL)
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SUPERFRAME SUPERFRAME 3	REED REED REED	SOLM -SOLM -SOLM -SOLM	code  code	WORD WORD WORD WORD	7 8 0 1
SUPERFRAME SI	REED REED REED	- SOLM -SOLM	CODE CODE (	WORD WORD V	5
-	REED	-SOLM	CODE	WORD	4
SUPERFRAME 1	REED	-SOLM	CODE	WORD	က
	REED	-SOLM	CODE	WORD	2
RFRAME 0	REED	-SOLM	CODE	WORD WORD WORD	<u> </u>
SUPERF 0	REED	-SOLM	CODE	WORD	0

KHZ	8 KHZ	8 KHZ	8 KHZ	8 KHZ 8   8   8   8   8   8   8   8   8   8	8 KHZ	8 KHZ	8 KHZ	8 KHZ	8 KHZ	8 KHZ	8 KHZ
Z M	FRM 1	FRM 2	FRM 3	RM 2 FRM 3 FRM 4	4 FRM5 FRM6 FRM7 FR	FRM 6	FRM 7	FRM 8	FRM 9	<b>FRM 10</b>	7 FRM 8 FRM 9 FRM 10 FRM 11
ì											